

Message Text

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UNCLAS SECTION 1 OF 2 JAKARTA 5993

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SUBJ: CONDITION OF WEST JAVA RICE CROP

SUMMARY: AGRICULTURAL ATTACHE AND VISITING DEPARTMENTAL OFFICER MADE THREE DAY TRIP MAY 4 - 6 THROUGH WEST JAVA TO CIREBON TASIKMALAYA, BANDUNG AND BOGOR TO OBSERVE CONDITION OF RICE CROP. MUCH OF WET SEASON CROP ALREADY HARVESTED AND DRY SEASON CROP TRANSPORTED IN MUCH OF THE AREA BETWEEN JAKARTA AND CIREBON. NEW CROP APPEARS OFF TO EXCELLENT START. REPORTS ON WET SEASON CROP RANGE FROM GOOD TO EXCELLENT WITH RELATIVELY LITTLE BROWN PLANT HOPPER DAMAGE DUE TO EXCELLENT DISTRIBUTION OF WERENG RESISTANT VARIETIES ESPECIALLY IR 32 AND 36 TO AREAS MOST AFFECTED IN 1977. IR 32 AND 36 EARLY MATURING WHICH HAS HELPED OVERCOME LATE PLANTING IN MOST AREAS. INTERESTING DISCUSSION OF RICE TECHNOLOGY WITH DR. MCINTOSH AT CRIA IN BOGOR. END SUMMARY

A. FIELD TRIP WEST JAVA

1. AGRICULTURAL ATTACHE AND VISITING DEPARTMENTAL OFFICER MADE A THREE DAY TRIP 4-5-6 MAY THROUGH MAJOR RICE PRODUCTION REGION OF WEST JAVA. TRAVELED FROM JAKARTA, BEKASI, CIBETUNG, KARAWANG, TELEGASARI, WADAS, KRASAK, JATISARI, PURWAKARTA, SUKAMANDI, UNCLASSIFIED

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PAMAMUKANO, JATIBARANG, PALIMANAN, CIREBON ON 4 MAY. ON 5 MAY CIREBON TO KADIPATEN, MISALENGKA, BODJONG, MAJA, KAWALI, CIAMIS, TASIKMALAYA, CIAWI, BANDUNG. 6 MAY BANDUNG TO CIANJUR TO BOGOR AND JAKARTA.

2. MOST OF THE RICE BETWEEN JAKARTA AND BEKASI WAS CLOSE TO HARVEST. SECOND CROP THAT WAS IN WAS LUSH AND HAD NOT HEADED

YET. EAST OF CIBITUNG MOST RICE HAD BEEN HARVESTED WITH SEED BEDS FOR SECOND CROP ESTABLISHED. NO EVIDENCE OF INSECT OR DISEASE DAMAGE. SOME LODGING OF UNHARVESTED CROP. BETWEEN BEKASI AND CIBITUNG HARVEST WAS IN PROGRESS. IRRIGATION CANALS WERE FULL AND CONTAINED HIGH AMOUNTS OF SILT. ON EAST SIDE OF CIKARANG A LARGE RICE THRESHING YARD WAS IN FULL OPERATION. GRAINS LOOKED GOOD ON UNTHRESHED AND THRESHED RICE.

3. IN KAMPUNG JAGER HEAVY RICE MOVEMENT INTO VILLAGE. DRYING OF GRAIN ON PADI STALK AND ON RATTAN MATS AT SIDE OF ROAD. AT RAILROAD CROSSING WEST OF KARAWANG UNHARVESTED RICE HEAVILY LODGED. BETWEEN KARAWANG AND TELAGASARI SAWAH PREPARATION AND TRANSPLANTING WAS IN FULL OPERATION FOR DRY SEASON CORP. THRESHING YARDS WERE IN FULL OPERATION. JUST EAST OF TELAGASARI SECOND CROP HAS BEEN TRANSPLANTED WITH PLENTIFUL IRRIGATION WATER AVAILABLE. FROM TELAGASARI TO WADAS HEAVY TRANSPLANTING OF RICE WAS IN PROGRESS. SECOND CROP EAST FROM WADAS WAS IN EARLY DEVELOPMENT. FIELD PREPARATION WAS UNDERWAY WITH THICK SEED BEDS. THRESHING YARDS VERY ACTIVE. VISITED THE LARGE RESERVOIR OF JATILUHUR AT PURWAKARTU BRIEFLY. COULD NOT GET CLOSE BUT WATER APPEARED TO HAVE A HIGH SILT CONTENT. RESEARCH STATION AT SUKAMANDI WAS CLOSED BECAUSE OF NATIONAL HOLIDAY. HOWEVER, RICE HAD NOT BEEN REPLANTED. ACROSS THE ROAD FROM RESEARCH STATION LARGE FIELDS OF THE PERUM SANG HANYA SSERI SEED COMPANY WERE UNDER PREPARATION FOR MULTIPLICATION OF FOUNDATION SEED OBTAINED FROM CRIA STATION NEARBY. THESE ARE LARGE FIELDS AND LARGE TRACTORS

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WERE PREPARING THE FIELDS FOR PLANTING. PRIOR TO REACHING SUKAMANDI NORTHEAST OF PANGULAK PREPARATION FOR PLANTING WAS UNDERWAY SOUTH OF ROAD WHILE NORTH OF THE ROAD THE CROP HAD BEEN HARVESTED AND SEED BEDS WERE GROWING. BETWEEN CIASEM AND PAMARUKAN MUCH OF THE UNHARVESTED CROP WAS LODGED. MOST OF THE CROP HAD BEEN HARVESTED TO CURAGAJAT. SOME VOLUNTEER GROWTH OBSERVED HERE BUT WILL BE HOED OUT BY HAND WHEN PREPARING FOR SECOND CROP. OBSERVED LARGE AMOUNTS OF RICE DYING IN VILLAGES. FROM ERETAN-KALON TO JATIBARANG STATUS CONSISTED INITIAL HARVEST TO TRANSPLANTING. AROUND INDRAMAYU 30 TO 40,000 HECTARES ARE DIRECTLY SEEDED TO RICE IN A MEANS OF OVERCOMING THE NORMAL EARLY FLOODS. AT ERATAN-WATAN THRESHING YARDS WERE FULL. FROM JATIBARANG TO PALIMANAN OBSERVED NUMEROUS SUGAR CANE FIELDS.

4. MAY 5TH JATIWANGI TO KADIPATEN MUCH OF THE RICE DRY SEASON CROP HAS BEEN TRANSPLANTED. THIS AREA APPEARS DRYER WITH LESS WATER IN PADI. BETTER WATER CONDITIONS IN KADIPATEN FOR SECOND CROP. OBSERVED HARVEST OF CROP AT KADIPATEN. FAMER CLAIMED 4 TONS/HA OF IR 32. THIS WAS ONE OF THE BEST CROPS OBSERVED ANYWHERE. SOUTH OF KADIPATEN SECOND CROP HAD TILLERED BUT NOT HEADED AND WAS VERY THICK AND LUSH. SOUTH OF MAJA IN MOUNTAINS SECOND CROP LOOKS GOOD. THIS AREA HEAVILY TERRACED.

EXCELLENT RICE CROP NEAR MATURITY IN LARGE VALLEY NEAR KASTURI.
BETWEEN KASALI AND CIAMIS VERY LITTLE RICE OBSERVED BUT SOME RUBBER.

5. OBSERVED FIRST SERIOUSLY DEFORESTED MOUNTAINS WEST OF CIAWI
NEAR SMALL VILLAGE OF LIMBANGAN. THE MOUNTAIN HAD BEEN CLEARED
AND PLANTED TO CROPS (NOT RICE) ALL THE WAY TO TOP. CHANCES
HERE FOR SEVERE SOIL ROSION ARE HIGH. BETWEEN TASIKMALAYA AND
BANDUNG SECOND CROP WAS IN VARIOUS STAGES OF DEVELOPMENT FROM
NEWLY TRANSPLANTED TO TILLERING. TILLERS WERE THICK AND LUSH.

6. RICE PRODUCED AROUND CIANJUR MAINLY LOCALLY IMPROVED TALL
VARIETY MUCH PRIZED FOR TASTE AND COMMANDS MUCH HIGHER PRICES THAN
OTHER RICE. MAY 6. BETWEEN BANDUNG AND BOGOR. LITTLE RICE IN
MOUNTAINS. OBSERVED SOME CORN AND INTER CROPPING BUT NOT A LOT OF
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EITHER. STOPPED IN VILLAGES OF CIPANAS AND CIBODAS ON GUNUNG
(MOUNTAIN) PANGRANGO. THIS AREA IS PRIMARILY VEGETABLE GROWING.
VEGETABLES IN MARKET CIPANAS WERE LARGE AND PLENTIFUL. RICE ON
ROAD TO CIBODAS LOOKED GOOD. OBSERVED RICE AT CIAWI. UNHARVESTED
RICE WAS LODGED AND APPEARS TO HAVE FULL GRAINS. PADI STALK ALONG
SIDE OF ROAD WAS EXCELLENT.

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COME-00 FRB-01 INR-10 NSAE-00 XMB-04 OPIC-06
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B. CONCLUSIONS

1. FIRST RICE CROP IN WEST JAVA WAS EXCELLENT IN SPITE OF LATE

PLANTING. TIMELY RAINS IN DECEMBER PLUS THE USE OF EARLY MATURING IR 32 AND 36 RICE VARIETIES ENABLED FARMERS TO ACHIEVE GOOD WET SEASON PRODUCTION. NORMALLY MAIN RICE HARVEST IN WEST JAVA IS LAST IN JAVA; THIS YEAR IT IS FIRST. VERY LITTLE WERENG DAMAGE THIS YEAR IN JAVA BECAUSE IR 32 AND IR 36 ARE RESISTANT TO BIOTYPE II. THERE HAS BEEN A RECENT NEWSPAPER REPORT OF 2,000 HECTARES BEING AFFECTED BY WERENG IN KARAWANG. NORTH SUMATRA, ACEH, WAS AFFECTED MOST (30,000 HA) BY BPH FOR THE WET SEASON RICE CROP. IR 36 IS AN EARLY MATURING (110-115 DAY) VARIETY WHICH ALLOWED FOR EARLY HARVEST IN SPITE OF LATE PLANTING. EARLY HARVEST OF WET SEASON CROP HAS ALLOWED THE DRY SEASON CROP TO ESTABLISH UNDER HIGHLY FAVORABLE WATER CONDITIONS. SECOND CROP IS ALMOST ALL IR 36 FOR EARLY MATURING FEATURE.

2. IT IS THE OPINION OF DR. MCINTOSH AT IRRI AND CRIA THAT TOTAL ELIMINATION OF ALL INSECT PESTS AND DISEASES IS NOT DESIRABLE BUT MAY BE DETRIMENTAL TO THE HIGH YIELDING RICE VARIETIES. A SYSTEM OF PEST AND DISEASE MANAGEMENT IS THE NEW THINKING, WHEREBY SOME DAMAGE IS ALLOWED AND TOTAL ELIMINATION DOES NOT CREATE A VACUUM FOR SOME NEW PROBLEM TO ARISE. AS AN EXAMPLE ALMOST COMPLETE ERADICATION OF GRASSY STUNT ALLOWED UNCLASSIFIED

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RAGGED STUNT TO PROLIFERATE. THE BPH AND GRASSY STUNT HAVE BEEN AROUND FOR YEARS BUT NATURAL CONTROLS AND THE ENVIRONMENT HAVE PREVENTED WIDESPREAD INFESTATION UNTIL THE HIGH YIELDING VARIETIES WERE DEVELOPED. PROPER APPLICATION OF INSECTICIDES IS REQUIRED TO CONTROL BPH. BY APPLYING THE INSECTICIDES ONLY TO THE TOP OF THE PLANT THEY KILL MORE PREDATORS OF THE BPH THAN BPH. INSECTICIDE APPLICATION SHOULD BE AT THE BASE OF THE PLANTS IN THE HABITAT OF THE BPH. MOST FARMERS ARE RELUCTANT TO USE THE INSECTICIDES PROPERLY IF AT ALL. CRIA OFFICIAL STATED THAT GALLMIDGE WAS MUCH MORE SERIOUS IN 1977 THAN BPH.

3. OBSERVATION OF GRAIN FLOW APPEARS TO BE HIGHLY LOCALIZED. THE GRAIN IS CUT INTO PADI STALKS AND ALLOWED TO DRY BRIEFLY BEFORE THRESHING. THE DRYING TAKES PLACE NEAR THE FIELD OR IN THE FARMER'S COURTYARD OR ALONG THE ROADS. INITIAL THRESHING OCCURS AT THE FARM AND THEN ALLOWED TO DRY IN RATTAN BASKETS OR ON RATTAN MATS. IT IS THEN MOVED TO THE LOCAL THRESHING YARD FOR FURTHER DRYING AND BAGGING. DOLOG WAREHOUSES TO STORE LOCAL BULOG PROCUREMENT IN STRATEGIC LOCATIONS OBSERVED.

4. THE IRRIGATION PROBLEM IS QUITE COMPLEX. THE PRIMARY AND SECONDARY CANALS ARE QUITE GOOD FOR THE MOST PART. AND WHERE THEY EXIST THE TERTIARY AND QUATERNARY SYSTEMS ARE GOOD. BUT FOR THE MOST PART THE LATTER ARE LACKING. THE SILTING OF THE RESERVOIRS AND CANALS IS QUITE SERIOUS AND THE SOLUTION IS BEYOND THE LOCAL CAPABILITIES NOW. ANOTHER PROBLEM WITH IRRIGATION COMES FROM THE BACK UP OF SALT WATER INTO FRESH WATER STEAMS.

THIS APPEARS TO BE QUITE A SERIOUS PROBLEM ESPECIALLY IN THE COASTAL AREAS. CRIA SCIENTISTS ARE VITALLY INTERESTED IN TWO ASPECTS OF THE SILTING PROBLEM AND IRRIGATION SYSTEMS. INDONESIA DESPERATELY NEEDS A COUNTRY-WIDE INVENTORY OF FOREST, GRASSLANDS AND CROP AREA. APPARENTLY, THIS HAS NOT BEEN DONE (ACCORDING TO CRIA SCIENTISTS). SECONDLY, THEY NEED TO KNOW THE EXTENT TO

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WHICH SALT, BRACKISH AND FRESH WATER INTERACT WITH EACH OTHER AND WITH THE CROP. DR. MCINTOSH SAID AN INVENTORY OF TIDAL LANDS IS BADLY NEEDED. SOME 35 MILLION HECTARES ARE INVOLVED. THEY HAVE NO SYSTEM CURRENTLY TO ESTIMATE OR PREDICT WATER QUALITY FOR IRRIGATION IN THE COASTAL AREAS.

5. THE BOTTOM LINE - THE WET SEASON RICE CROP WILL BE GOOD TO EXCELLENT IN WEST JAVA IN 1978. THE DRY SEASON CROP IS OFF TO A GOOD START WITH ADEQUATE SUPPLIES OF WATER. THERE HAS BEEN RELATIVELY LITTLE DAMAGE FROM BPH OR ITS ASSOCIATED VIRUSES, GRASSY AND RAGGED STUNT. THE USE OF IR 32 AND IR 36 ENABLED THE INDONESIANS TO PLANT LATER AND HARVEST EARLIER. 19,000 TONS OF HIGH YIELD VARIETIES WERE DISTRIBUTED TO THE FARMERS. THE OPERATION WAS VERY EFFICIENT BY INDONESIAN STANDARDS. VPMONDALE ANOUNCED THAT THE U.S. WOULD SUPPLY 50,000 TONS OF RICE UNDER PL 480 IN 1978. BUT IS IT ENOUGH GIVEN THE SIZE OF INDONESIA'S BUDGEONING POPULATION?

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